

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-329734
(43)Date of publication of application : 30.11.1999

(51)Int.Cl. H05B 33/14
C09K 11/06
H05B 33/22

(21)Application number : 10-139509 (71)Applicant : MITSUBISHI CHEMICAL CORP
(22)Date of filing : 21.05.1998 (72)Inventor : SATO YOSHIHARU
OGATA TOMOYUKI

(30)Priority
Priority number : 10 57888 Priority date : 10.03.1998 Priority country : JP

(54) ORGANIC ELECTROLUMINESCENCE ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a white organic electroluminescent element having high luminous efficiency and improved stability.

SOLUTION: This light emitting element comprises at least: a hole transport layer sandwiched between a positive electrode and a negative electrode, a light emitting layer, and a hole blocking layer on a substrate, wherein the light emitting layer contains an aromatic amine compound having a maximum fluorescence wavelength in a range of 400 to 500 nm, the ionization potential of the hole transport layer is larger than that of the light emitting layer by 0.1 eV or more, the ionization potential of the hole blocking layer is larger than that of the light emitting layer by 0.2 eV or more, and at least the light emitting layer contains a fluorochrome whose maximum fluorescent wavelength is in a range of 550 to 650 nm.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]